

## Workshop - Project ATLANTIS

### “Sewage treatment plants as a resource for water, energy and nutrients”

**Date: 25<sup>th</sup> October 2021, 12:00 – 16:00**

**Place: Cairo Water Week at the Nile Ritz-Carlton, Abdeen Ballroom, Cairo, Egypt**

#### **OPENING 12:00**

Welcome and Introduction  
*Prof. Dr.-Ing. Sven-Uwe Geißen, Technical University Berlin*  
*Julia Braune, German Water Partnership*

Atlantis: Sewage treatment plants as a resource – introduction  
*Dr. Johannes Wellmann, Norman Schweimanns, Technical University Berlin*

Egyptian wastewater treatment plants - potentials for energy optimization  
*Prof. Dr. Ahmed Moawad, Vice Chairman, Holding Company for Water and Wastewater*

Energy efficiency in STP Design considering current effluent standards and possible changes  
*Annette Elmers, p2m berlin GmbH*

System Optimization WWTP Bramsche and Liebenwalde I  
*Markus Leidinger, Aerzener Maschinenfabrik GmbH*

System Optimization WWTP Bramsche and Liebenwalde II  
*Martin Graesl, Rudolf Messner Umwelttechnik AG*

Smart Automation Solutions for WWTP  
*Ahmed Atef Sedky, Mitsubishi Electric*

#### **COFFEE BREAK 13:30-14:30**

TSM Egypt: Results, recommendations and follow-up in terms of energy efficiency  
*Dr. Maha Khallaf, Dr. Fayez Badr, Water & Wastewater Management Programme, GIZ Egypt*

Contribution of pumps to cost and energy savings  
*Traugott Ulrich, KSB*

Automatic operation and intelligent control of wastewater treatment plants for energy and cost reduction  
*Dr. Paul Engelke, KLEINE Solutions GmbH*

Excellence in Aeration Control - for energy efficient operation & improved process control  
*Hassan Ragab, Binder Group*

Solutions for energy efficient wastewater treatment  
*Fahri Savas Ekinci, Deniz Kurt, PWT Wasser- und Abwassertechnik GmbH*

Decentralised and semi-centralised wastewater treatment plants  
*Thomas Gester, Ahmed Haggag, ATB Water GmbH*

#### **CLOSURE 16:00**

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